

CLAIMS

What is claimed is:

1. A method (10) of making a part comprising the steps of:

placing an insert (12) having sides (14) and an open top (16) and a

5 bottom surface (18) into a mold cavity(20),

injecting an insulating layer composition (28) into said mold cavity (20)

to bond to the bottom surface (18) and the sides (14) of the insert (12) to form an

insulating layer (30) having sides (32) and a bottom (34) to expose the open top (16),

and

10 injecting a part composition (44) over the bottom (34) and the sides (32)

of the insulating layer (30) to expose the open top (16).

2. A method (10) as set forth in claim 1 further defined as placing the insert

(12) with the insulating layer (30) into a second mold cavity (36) in a second mold (42)

15 and injecting the part composition (44) into said second mold cavity (36).

3. A method (10) as set forth in claim 2 including forming the insulating

layer (30) from a thermoset elastomer.

20 4. A method (10) as set forth in claim 3 wherein said thermoset elastomer

includes a filler.

5. A method (10) as set forth in claim 4 including forming the insulating

layer (30) from a thermoplastic elastomer.

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6. A method (10) as set forth in claim 5 wherein said thermoplastic elastomer includes a filler.

7. A method (10) as set forth in claim 6 including forming the insulating
5 layer (30) from a compressive polymer.

8. A method (10) as set forth in claim 7 wherein said compressive polymer includes a filler.

10 9. A method (10) as set forth in claim 8 including forming the insert (12) with a base (50) extending outwardly from the bottom surface (18) of the insert (12).

10. A method (10) as set forth in claim 9 including forming the insert (12) with at least one anchor (68) extending outwardly from the sides (14) and between the
15 open top (16) and the bottom surface (18) of the insert (12).

11. A method (10) as set forth in claim 10 including forming the insert (12) into said second mold cavity (36) is further defined as placing the insert (12) with a threaded bore (52) extending inwardly from the open top (16) to the bottom surface (18).

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12. A method (10) as set forth in claim 11 including forming the insert (12) into said second mold cavity (36) is further defined as placing the insert (12) with a pin (69) having an external male thread (70).

13. A method (10) as set forth in claim 12 including forming the insert (12) with a rectangular configuration.

14. A method (10) as set forth in claim 13 including forming the insert (12) with a round configuration.

15. A method (10) as set forth in claim 14 including forming the insert (12) from a polymer.

16. A method (10) as set forth in claim 15 including forming the insert (12) from a metal.

17. A method (10) as set forth in claim 1 including forming a shell (54) having inner (56) and outer (58) surfaces and a boss section (60) extending outwardly from the inner surface (56).

18. A method (10) as set forth in claim 17 including forming the boss section (60) with top (62) and bottom (64) ends and a cavity (66) extending inwardly from the top end (62) to the bottom end (64) to hold the insert (12).

19. A method (10) as set forth in claim 18 including forming the shell (54) from a polymer.

20. A method (10) as set forth in claim 19 including adding a dye to the part composition (44) before injecting the part composition (44) into said second mold cavity (36).

5 21. A method (10) as set forth in claim 20 including adding a pigment to the part composition (44) before injecting the part composition (44) into said second mold cavity (36).

22. A method (10) as set forth in claim 21 including injecting a paint (48)
10 into said second mold cavity (36) over the part composition (44).